IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended): A method for providing device type information using a Fibre Channel network, comprising the operations of:

obtaining device type information for a device coupled to a Fibre Channel based network;

constructing an address database having a device entry for the device, ~~wherein~~ by defining the device entry ~~includes~~ by ~~a~~ ~~SCSI port target identifier and a logical unit identifier, and wherein the device entry associates the device type information with the~~ ~~SCSI port target identifier and the logical unit identifier and associates an Arbitrated Loop Physical Address (AL_PA) with the~~ ~~SCSI port target identifier and the logical unit identifier~~ a device address and the device type information, the device address associating a Fibre Channel Address with a SCSI-based address, the SCSI-based address including a port target identifier (port target ID) and a logical unit identifier (LUN ID);

receiving a request for the device type information from a SCSI-based network application, wherein the request includes the SCSI-based address ~~port target identifier and the logical unit identifier~~; and

returning the device type information and the Fibre Channel Address associated with the ~~SCSI port target identifier and the logical unit identifier~~ SCSI-based address[[,]]to the requesting application.

~~wherein the address database facilitates translation of operating system~~

~~independent commands received by a Fibre Channel wrapper module into Fibre~~

~~Channel commands usable by a Fibre Channel layer module that is in communication~~

~~with a Fibre Channel controller.~~

2. (Canceled)

3. (Currently Amended): A method as recited in claim 1, ~~further comprising~~
~~the operation of returning the AL_PA associated with the~~ SCSI ~~port target identifier~~
~~and the logical unit identifier in response to the request.~~ wherein the address database
facilitates translation of an operating system independent command received by a
Fibre Channel wrapper module into a Fibre Channel command usable by a Fibre
Channel layer module that is in communication with a Fibre Channel controller, the
operating system independent command being a Common Hardware Interface
Module (CHIM) command.

4. (Currently Amended): A method as recited in claim 1, wherein the request
is in the form of a ~~SCSI based~~ SCSI-based command, the SCSI-based command is
one of a Protocol Auto Configuration (PAC) command or a Probe command.

5. (Currently Amended): A method as recited in claim 1, wherein ~~the request~~
~~is in the form of a SCSI based Probe command.~~ the Fibre Channel Address is in the
form of a Fibre Channel Arbitrated Loop Physical Address (AL_PA).

6. (Currently Amended): A method as recited in claim 1, ~~further comprising~~

~~the operation of performing a lookup operation to obtain the device type information~~

~~associated with the SCSI port target identifier and the logical unit identifier utilizing~~

~~the address database.~~ wherein the device is a Fibre Channel network device.

7. (Canceled)

8. (Currently Amended): A system for providing device type information

using a Fibre Channel network, comprising:

a Fibre Channel based network;

a device coupled to the Fibre Channel based network, the device having an

associated ~~Arbitrated Loop Physical Address (AL_PA)~~ Fibre Channel Address; and

an address database having a device entry for the device, wherein the device

entry includes ~~a SCSI port target identifier and a logical unit identifier associated with~~

~~the device, and wherein the device entry associates device type information with the~~

~~SCSI port target identifier and the logical unit identifier and associates the AL_PA~~

~~with the SCSI port target identifier and the logical unit identifier~~ a device address and

the device type information, the device address associating the Fibre Channel Address

with a SCSI-based address; the SCSI-based address comprised of a port target

identifier (port target ID) and a logical unit identifier (LUN ID),

wherein the address database facilitates translation of an operating

system independent command[[s]] received by a Fibre Channel wrapper

module into a Fibre Channel command[[s]] usable by a Fibre Channel layer

module that is in communication with a Fibre Channel controller, the

operating system independent commands being a Common Hardware

Interface Module (CHIM) command.

9. (Canceled)

10. (Currently Amended): A system as recited in claim 8, further comprising

a Fibre Channel driver having a Fibre Channel Common Hardware Interface Module

(FCHIM).

11. (Currently Amended): A system as recited in claim 10, further comprising

a ~~SCSI based~~ SCSI-based network application in communication with the Fibre

Channel driver.

12. (Currently Amended): A system as recited in claim 11, wherein the ~~SCSI

based~~ SCSI-based network application passes a request for device type information to

the Fibre Channel driver, ~~the request including the~~ SCSI ~~port target identifier and the

logical unit identifier.~~ wherein the request is in the form of a SCSI-based command

that includes the SCSI-based address, the SCSI-based command is one of a Protocol

Auto Configuration (PAC) command or a Probe command.

13. (Currently Amended): A system as recited in claim 12, wherein the Fibre

Channel driver returns the device type information ~~based on the SCSI port target

identifier and the logical unit identifier using the address database~~ and the Fibre

Channel Address to the SCSI-based network application by utilizing the address

database to correlate the SCSI-based address to the device type information and Fibre

Channel Address associated with the SCSI-based address.

14. (Currently Amended): A computer program that provides device type

information using a Fibre Channel network, comprising:

a code segment that obtains device type information for a device coupled to a

Fibre Channel based network;

a code segment that constructs an address database having a device entry for

the device, wherein the device entry includes a ~~SCSI port target identifier and a~~

~~logical unit identifier, and wherein the device entry associates the device type~~

~~information with the~~ SCSI ~~port target identifier and the logical unit identifier and~~

~~associates an Arbitrated Loop Physical Address (AL_PA) with the~~ SCSI ~~port target~~

~~identifier and the logical unit identifier~~ a device address and the device type

information, the device address associating a Fibre Channel Address with a SCSI-

based address; the SCSI-based address comprised of a port target identifier (port

target ID) and a logical unit identifier (LUN ID);

a code segment that receives a request for the device type information from a

SCSI-based network application, wherein the request includes the SCSI-based address

~~the~~ SCSI ~~port target identifier and the logical unit identifier~~; and

a code segment that returns the device type information and the Fibre Channel

Address associated with the ~~SCSI port target identifier and the logical unit identifier~~

SCSI-based address to the requesting SCSI-based application[[,]].

~~wherein the address database facilitates translation of operating system~~

~~independent commands received by a Fibre Channel wrapper module into Fibre~~

~~Channel commands usable by a Fibre Channel layer module that is in communication~~

~~with a Fibre Channel controller.~~

15. (Canceled)

16. (Currently Amended): A computer program as recited in claim 14, ~~further~~

~~comprising a code segment that returns the AL_PA associated with the SCSI port~~

~~target identifier and the logical unit identifier.~~ wherein the Fibre Channel Address is

in the form of a Fibre Channel Arbitrated Loop Physical Address (AL_PA).

17. (Currently Amended): A computer program as recited in claim 14, wherein

the ~~request is in the form of a SCSI-based Protocol Auto Configuration (PAC)~~

~~command~~ address database facilitates translation of an operating system independent

command received by a Fibre Channel wrapper module into a Fibre Channel

command usable by a Fibre Channel layer module that is in communication with a

Fibre Channel controller, the operating system independent command being a

Common Hardware Interface Module (CHIM) command.

18. (Currently Amended): A computer program as recited in claim 14, wherein

the request is in the form of a ~~SCSI-based Probe command.~~ SCSI-based command, the

SCSI-based command is one of a Protocol Auto Configuration (PAC) command or a

Probe command.

19. (Currently Amended): A computer program as recited in claim 14, further

comprising a code segment that utilizes the ~~SCSI port target identifier and the logical~~

~~unit identifier~~ SCSI-based address to lookup the device type information and the Fibre

Channel Address associated with the ~~SCSI port target identifier and the logical unit~~

~~identifier~~ SCSI-based address.

20. (Canceled)